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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/064,296	06/28/2002	Heng-Chien Chen	TRUP0001USA	4440
27765	7590	07/14/2005	EXAMINER	
NORTH AMERICA INTERNATIONAL PATENT OFFICE (NAIPC)			MILORD, MARCEAU	
P.O. BOX 506			ART UNIT	
MERRIFIELD, VA 22116			PAPER NUMBER	

2682

DATE MAILED: 07/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/064,296

Applicant(s)

CHEN, HENG-CHIEN

Examiner

Marceau Milord

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 April 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) _____ is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 27-33 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 27-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stelman (US Patent No 6343126 B1) in view of Bilgic et al (US Patent No 6580906 B2) and Akhavan (US Patent No 5920815).

Regarding claims 27-28, 31-31, Stelman discloses a telephone system (figs. 1-2) comprising a telephone exchange comprising a first transceiver for sending and receiving wireless signals, the telephone exchange switching and transmitting signals for facilitating telephone calls; and a plurality of telephone extensions, each telephone extension comprising a second transceiver for wirelessly communicating with the telephone exchange and making telephone calls through the telephone exchange (col. 4, lines 17-45; col. 6, lines 5-44; col. 8, lines 8-50; col. 5, lines 28-58; col. 7, line 10- col. 8, line 55; col. 12, lines 6- 54).

However, Stelman does not specifically disclose the features of a first network port for connecting the telephone exchange to an external computer network system, wherein each telephone extension further comprises a second network port for connecting a computer to the telephone extension, the computer capable of connecting to the external computer network system via the telephone extension and the telephone exchange.

On the other hand, Bilgic et al, from the same field of endeavor, discloses a communication system having a wireless trunk for connecting multiple phone lines over wireless communication links to a cellular network comprises a central telephone switch, such as a private branch exchange or key system, connected through one or more trunk lines to a wireless access communication unit. The wireless access communication unit connects calls received from the central telephone switch's trunk lines over a wireless trunk to a network. A controller within the wireless access communication unit interfaces the subscriber interfaces with a radio transceiver, and assists in the conversion of data from a format suitable for wireless transmission (col. 2, lines 14-65; col. 5, line 29- col. 6, line 40). Furthermore, the subscriber interface comprises a subscriber line audio processing circuit, which carries out analog-to-digital and digital-to-analog conversion between the line card section and the user station connected to the subscriber port. The processor is connected to the control line card assembly, which is connected to the vocoder from each of the line card sections. The control line card assembly provides the interface between the radio section and the line card section of the wireless access communication unit (col. 7, line 25- col. 8, line 46; col. 9, line 5-col. 10, line 55).

Akhavan also discloses a personal communication system that is operated using a personal phone number associated with each portable subscriber station within the system. The

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portable handset is arranged so that it contains both a cordless telephone transceiver and a cellular telephone transceiver. The portable station also has the capability of detecting when it is outside the range associated cordless telephone base station (col. 16, lines 12-48; col. 17, line 26- col. 18, line 29). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the technique of Akhavan Bilgic to the modified system of Bilgic and Stelman in order to provide a smooth transition from a cellular telephone mode to a cordless telephone mode for the subject subscriber associated with a base station.

Regarding claim 33, Stelman as modified discloses a telephone system (figs. 1-2), wherein communication between the telephone extensions and the telephone exchange conforms to the IEEE 802.1 1 wireless communication standard (col. 7, line 39- col. 8, line 45).

Regarding claim 29, Stelman as modified discloses a telephone system (figs. 1-2), wherein the telephone exchange further comprises: a first analog-to-digital converter for converting analog signals received from the external telephone system into digital signals for transmitting digital signals to the telephone extensions; and a digital-to-analog converter for converting digital signals received from the telephone extensions into analog signals received from the telephone extensions into analog signals to be sent through the external telephone extension (col. 4, lines 10-67; col. 7, lines 40-55).

Regarding claim 30, Stelman as modified discloses a telephone system (figs. 1-2) comprises: a second analog-to-digital converter for converting analog signals received from a microphone of the telephone extension into digital signals to the telephone exchange; and a second digital -to-analog converter for converting digital signals received from the telephone

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exchange into analog signals to be output through a speaker of the telephone extension (col. 4, lines 10-67; col. 7, lines 40-55).

Response to Arguments

3. Applicant's arguments with respect to claims 27-33 have been considered but are moot in view of the new ground(s) of rejection.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marceau Milord whose telephone number is 571-272-7853. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian C. Chin can be reached on 571-272-7848. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MARCEAU MILORD

Marceau Milord
Primary Examiner
Art Unit 2682


MARCEAU MILORD
PRIMARY EXAMINER